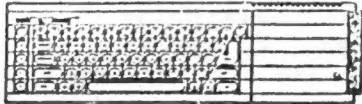


THE POWER IS WITHIN
YOUR REACH

AS

THE REVOLUTION CONTINUES



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- 351. SincLink 8803-6 by GUTS/SV..
- 357. Future TIMELINEZ/ SincLink Articles..
- 357. SNUG (Sinclair Northamerica Users Group)..
- 358. TIMELINEZ/ SincLink Information..

GUTS/SV (12)::	
Dane Stegman	8806
Dewayne Irons	8806
Terry Greenlee	8806
Rita Carr	8806
Donal E. McRae	8806
Oliver Chaplin	8806
Billie Phillips	8805
Doug Hoiles	8803
Margaret Finney	8803
Al Carrizo	8803
Randall Baker	8803
Joan Kealy	8802

GUTS/SV Meets the LAST WEDNESDAY of the month at 7:00PM at the Cupertino Library, Community Room, 10400 Torre Avenue.. Take South DeAnza Blvd. to Rodriques. East on Rodriques to Torre. Right on Torre to the Library. You should be able to enter the Community Room by taking the path outside down to the open door directly into the room. If the door isn't open, you may enter thru the Library..

Upcoming Meetings::
June 29th, 1988
July 27th, 1988
August 31st, 1988

SUBSCRIPTION DUES DUE!!

The folks listed on this page dues expire(d) during the month indicated. This is your last issue! Please pay your dues! Make check for \$15 Annual Subscription payable to 'SincLink' and mail to::

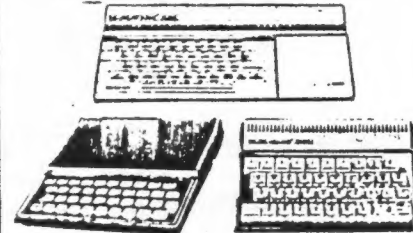
TIMELINEZ/ SincLink
c/o Bill Miller
6675 Clifford Drive
Cupertino, CA 95014- 4530

If you can't afford the dues, but are still interested in receiving TIMELINEZ/ SincLink, let us know and we will try to work something out..

TSEBZUG (19)::	
Mac Pace	8806
Leon Hunter	8803
Ivor Alaa	8802
Fred Templeton	8802
Tom Fattaruso	8712
Ric Jesch	8712
Daniel Moore	8712
Woody McPheeters	8712
Matt Moore	8712
Joseph Randall	8712
David Gray	8711
Fred James	8710
Wayne Seibel	8709
Russ English	8708
Warren Tucker	8708
John Ezike	8708
Kirk Adams	8708
Kevin Zimmerman	8704
Alvin Lam	8703

TSEBZUG Meets the THIRD WEDNESDAY of the month at 7:30PM at the Berkeley West Branch Library on University Avenue, East of San Pablo Avenue..

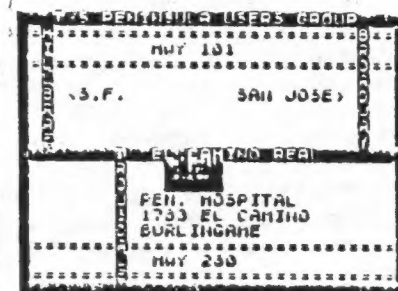
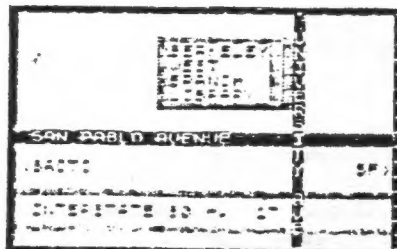
Upcoming Meetings::
June 15th, 1988
July 20th, 1988
August 17th, 1988



TSPUG (33)::	
Myles Cohen	8806
Ken Duda	8806
Gary Mapes	8805
Evelyn Peters	8805
Walt Johnson	8804
Kevin Leung	8804
Gertrude Andersson	8803
Laurence Cresner	8803
Bailey Hall	8803
Peter Orvis	8803
Bud Bullock	8802
David Lee Clouse	8802
Alex Fetesoff	8802
Ernest Ford	8802
David Foreman	8802
Jim Griffith	8802
John Hancock	8802
Robert Howard	8802
Howard Jespersen	8802
Wayne Johnson	8802
Mary- Esther Low	8802
W.B. McCullough	8802
Mike Rasmussen	8802
Edwin Schoen	8802
Rita Veles	8802
Donald Waltermann	8802
Ann Worth	8802
George Goodman	8801
Bob Hislop	8801
Rex Lundgren	8712
Kim Martin	8712
Dan Ohlrich	8712
Dan Mowrey	8711

TSPUG Meets the THIRD SUNDAY of the month at 1:00PM at Peninsula Hospital, 1783 El Camino Real, Burlingame on the lower level in the 'Trousdale' room. Use the North Entrance..

Upcoming Meetings::
June 19th, 1988
July 17th, 1988
August 21st, 1988



AN EDITORIAL...

FOR BETTER OR FOR WORSE! by Andy Hradesky

This is the type of article with a subject that nobody likes to write about. A subject that every individual in today's life style has to face. A subject that deals with everyone's financial desires and needs. The subject is 'money'.

Every organization across America has to come to grips with themselves concerning this. I'm sure many of you remember the second Black Monday that occurred on October 19th, 1987 (please keep in mind that I used this as a point of reference, nothing more)? Well, a sort of "Black Monday" has approached the revenues of TIMELINEZ, but fortunately the disaster doesn't mean the end of the U.S's financial status. Simply put, TIMELINEZ doesn't have the money to keep up an 8 to 12 (11x14) page news-magazine anymore. With this upset and the lack of club support for a superior nation wide TIMEX/sinclair paper, TIMELINEZ has pulled in the belt real tight! To give some examples, the main reason for TIMELINEZ was to have three TIMEX/sinclair San Francisco Bay Area clubs pull their resources together and create one "hell" of a news-magazine. However, as the years have gone by, membership has dropped. Responsibilities for support lacks at one end of the triangle while the other corner gives more than possible. Not only does the finances drop but the article support goes too. In the end, it isn't one club left to handle the whole load but less than a hand-full.

In my experience, it has always been harder to find someone to fill in the editors position and stay then to have members send in their support. Maybe the members of the Frisco Bay area will understand that they have an editor who is willing to stick in as long as the support is given (not just article support but financial support as well). And maybe the same members will realize that this could be the reason TIMELINEZ has FIVE ex-editors in it's footpath because these were the only ones that carried the load of 5 volumes.

In conclusion, Volume 6 is, as I'm sure you have already noticed, the new structural format that is now TIMELINEZ. Yes, it's a-bit different from previous issues. We will try to keep on our regular schedule after we recover from our loss and as support permits.

The Editors

If you would like to voice your own opinion about this editorial, please send it to:

TIMELINEZ New-Magazine
c/o 'An Editorial'
P.O. Box 1312
Pacifica, CA 94044

TIMELINEZ WRITER'S GUIDE

There is basically two ways people can submit articles, listings, and graphics for the Timelinez.
1) Printed copy 2) Computer stored.

PRINTED COPY

If you are submitting printed copy please have it in one of two formats so that it will fit properly on a page. The first format is 32 characters wide. Use this if printing with normal size characters. The second format is 60 characters wide. This format must be printed in compressed print. Basically the copy must be the width of the paper used on a 2040 printer.

QL screen dumps need to be shrunk down to fit on a page. Check to see what size is preferred.

COMPUTER STORED

You may submit items in three different ways. 1) Send a tape, disk, or microdrive cartridge. 2) Upload article to San Mateo PDSE BBS. 3) Arrange to send it via modem directly to Timelinez.

The above files may be stored as straight text files. This way they can be transferred to any other computer. If doing this follow the guidelines for printed copy.

Text may be stored in Quill, MSCRIPT, or Tasword files. Check first to see that someone with a like computer will be available to retrieve it.

Graphic files are best sent as RLE files, although QL or 2068 screen dumps can be handled. Again check on which is best.

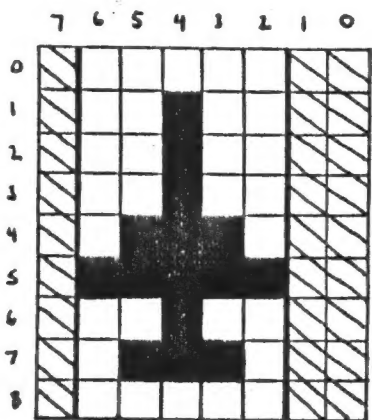
Be sure to let Timelinez know what type of format each file is. This way someone knows exactly how to load the file, and there by saves time.

All tapes, disks, or cartridges will be returned. Check to see what type of disk system is being used. There are so many out.

The San Mateo PDSE BBS can be reached at (415) 571-6911. There are directions on the BBS on how to upload files. You need to be a registered member of the BBS to upload files. If you have not done this, please do so. Not only will you be able to upload articles as soon as you write them, you can join in the various discussions going on the board at all times. Make sure to contact the editor or his representative on the BBS to let them know you have posted an article. Then they will know to download it.

To send directly via a modem, check with the current Timelinez editor to see if they, or someone else, can do it, when, and how.

Feel free to contact the editor if you have any questions. Don't feel over whelmed by the process, we need the articles.



QL USER DEFINED GRAPHICS by Tim Swenson

The following program is used to load user defined characters or graphics (UDGs) on to the QL. The program takes the characters stored in the data statements and loads them into a RESPRed memory space. They can then be used by the CHR\$ command.

The diagram shows a character defined on a 8x9 grid. The columns shaded must be 0. In reality the character is defined on a 5x9 grid.

Once the character is defined, convert each row into a binary number with the shaded squares having a value of 1. The 4th row in the diagram will have a value of 00111000. This is then converted into the decimal number 56. The data statement at line 27010 is the definition of the character in the diagram. Line 27020 is the same character upside down.

You can define up to 256 characters. The variable CHARS tells the computer how many characters you are defining. The 132 in the first data statement tells the computer the value of the first defined character. The first character is printed by saying PRINT CHR\$(132). The second is CHR\$(133), etc.

This program is adapted from the Javelin program in the June 1986 issue of ZX Monthly. Hope it comes in handy.

```

25000 DEFine PROCedure udgs
25010 REMark number of chars
25020 chars=2
25030 REMark save space for
      chars
25040 temp=(chars*9)+10
25050 start=RESPR(temp)
25060 a0=65537
25070 a2=start+6
25080 RESTORE 27000
25090 temp=(chars*9)+7
25100 FOR loop=0 TO temp
25110   READ byte
25120   POKE start+loop,byte
25130 NEXT loop
25140 CALL start,0,0,255,37,0
      ,0,0,a0,0,a2
25150 END DEFine
27000 DATA 32,4,78,67,78,117
      ,132,chars-1
27010 DATA 0,16,16,16,56,124
      ,16,56,0
27020 DATA 0,56,16,124,56,16
      ,16,16,0

```

T/S DEALERS - FROM THE DEC. 1987 SINCUS N/L

RMG Enterprises (Rod Gowan) 1419 1/2 7th Street, Oregon City, OR 97045
503-655-7484 10A to 10P. Send \$3 for catalog, refunded on first purchase, lots of software/hardware for the TS line.

E. Arthur Brown, 3404 Pawnee Dr., Alexandria MN 56308,
612-762-8847/763-6393 8:30A to 4:30P E-14 latest catalog-write for one. Started as a TS only supplier; now into ibm and atari

Sunset Electronics, 2254 Taraval St., San Francisco, CA 94116
415-665-8330 Latest catalog I've seen, July 1987

Fairware, Jack Dohany, 350 Rutherford Ave., Redwood City, CA 94061
415-367-7781: send a SASE for latest catalog.

Gray & Clifford Computer Products, POB 2186, Inglewood, CA 90305
213-759-7406- see data in this issue

Foot Software, POB 14655, Gainesville, FL 32604 904-462-1086: send for list of products, more than software here!

LarKen Electronics (Larry Kenny), RR#2, Navan, Ontario, K4B-1H9
Canada: disc IFs and more write for product info.

Lemke Software, 2144 White Oak, Wichita, Kansas 67207: send SASE for product details.

Novelsoft, Ariel Frailich, 35 Candle Litway, Willowdale, Ontario, M2R 3J5 Canada-software

WMJ Data Systems, 4 Butterfly Dr. Hauppauge NY 11789, 516-543-5252:
write for catalog

John Oliver Co., 11601 Whidbey Dr., Cumberland IN 46229: write for data on John's disc drive systems

Time Design Magazine, 29722 Hult Rd., Colton CA 97017 508-824-2658:
Write for catalog or subscription info.

Curry Computer POB 5607, Glendale AZ 85312-5607: Stuff for the whole TS line and GLs. name your computer when writing.

Silicon Mountain Computers, C-12, Mtn. Stn, Group Box, Nelson, BC V1L 5P1 Canada: 1000 goodies

Sharp's Inc. Rt 10. Box 459, Mechanicsville VA 23111 804-746-1664 free catalog

Just a few of the many fine TS dealers in North America.....

TWO REFERENCES TO POSSIBLE QL KEYBOARD IMPROVEMENT

From the Jan. 1988
CATS N/L

If you have not WD40'd your QL keyboard, bring it to the hardware session. You'll be in for a real treat. This stuff turns the QL so-so keyboard into a great one.

No, this isn't Joe Isuzu talking. If you want to feel a real difference in your keyboard then bring it to the hardware workshop. We will be applying a liberal dose of WD-40 to the inside area of the keyboard. You will be amazed at how good it feels. After this, you may not want to spring those big bucks for the Shoen or Spem replacement keyboards.

Send Items For This Page To::

George Mockridge
c/o TIMELINEZ
P.O. Box 1312
Pacifica, CA 94044

SinLink

1988 Jun 01 11:52:15
flpl sk8806 lis
880601:1146; 913 WORDS;;
(S)LIX;; SinLink(k);;
Filename:: sk8806 (sk8806a) (235
Lines);;

SinLink 8803-6 ::

FOR::
GUTS/SV (Group Using Timex
Sinclair of Silicon Valley);;
BY::
Bill Miller;; 408-253-3175;;
Information Coordinator;;
Topics::
1. New GUTS/SV::
1.1 Public Domain or 'ShareWare'
Library;;
1.2 Workshop Meetings;;
1.3 Subscription Rates;;
2. GUTS/SV news::
8805;;
8804;;
8803;;
8802;;
3. sc8805, (S)LIX (C)ontact
Index 8805;;
4. SC8804, (S)LIX (C)ontact
Index 8804;;
5. SC8803, (S)LIX (C)ontact
Index 8803;;
6. SX8802, (S)LIX (C)ontact
Index 8802..

New Software Exchange Programs
in Software Library. We have a
list (published in TIMELINEZ
8710/11). We are working on a
list which will have:
Filename, File Length,
Description..

We will mail you the programs if
you will do 2 things::

1. Mail us the Media::
Cassette For::
TS1000, TS2068 or Spectrum..
A&J Wafer I (2.67in x
1.57in) For::
TS1000 or TS2068..
A&J Wafer II (2.65in x
1.85in) For::
TS2068 or Wafadrive..
ZX Microdrive Cartridge
For:: Spectrum or QL..
5.25in or 3.5in disk
(formatted) For:: QL..
Check with us about other
Media, we may be able to get
help from other club members.

2. Send us a 'Copying Fee' for
each program ordered to help
pay for the cost of this
service.
\$2 for each Cassette Program
(They take a long time).
\$1 for each program on other
Media (They don't take so
long).

The Fee will be waived if you
send us an Exchange Program.
Sending us some sort of Exchange
File will also help us to check
that our drives are compatible
with yours.

For the latest list of ShareWare
Software or to place an order,
contact::

GUTS/SV TS ShareWare Software
Exchange;; Bill Miller;;
408-253-3175;;

GUTS/SV Software Exchange
Chairman;;
6675 Clifford Drive;;
Cupertino;; CA;; 95014-4530;;
USA;;

Make check or money order
payable to 'SinLink'.

You may also download the best
of the TS ShareWare library
directly from the LogOn BBSs in
Sunnyvale or San Mateo.

New GUTS/SV workshop meetings.
GUTS/SV is starting a workshop
meeting program on Wednesday
nights when the regular meeting
at the Cupertino Library is not
scheduled. These meetings will
be held at member's houses for
people interested in special
projects the member holding the
meeting is working on. Check
the LogOn/SV BBS for the
schedule..

First meetings will be::

Terry Greenlee;;
TS Displays;;
Carl Rink;;
A Real Flight Simulator;;
Steve Bibby;;
Documenting TS Designs..

New newsletter subscription
rates::

\$15 per year for everyone, to
help pay for the Software
library projects, which are now
available to all subscribers..
We are considering a charge of
an extra \$10 if you want to
receive SinLink in addition to
TIMELINEZ, since we have been
running at a deficit..

We had about \$50 on 880223
(thanks to Rita Toth for doing
the accounting)..

We owed about 130 newsletter
issues to our 32 subscribers if
we mail an issue every other
month (6 issues per year).
At \$0.50 per issue (\$0.25 for
postage and \$0.25 for printing)
that equals \$65. Which means we
are in the hole by \$7 not
counting samples and
exchanges..

We don't intend to stop
operating, but we do intend to
cut back on expenses till our
finances are in better shape..

GUTS/SV News 8805::

880525 meeting at the
Cupertino Library. Meeting
attendees (9):: Mark Wahl, Bill
Miller, Andy Hradesky, Jim
Wheeler, Joel Fitch, Terry
Greenlee, Michael Furman and
his Dad, Jeff, & Steve
Nichols..

Andy and Mark demonstrated File
transfer between the QL and
Spectrum 128 using the ZX
Interface 1 and ZX network..

Welcome to new member Joel
Fitch..

GUTS/SV News 8804::

880427 meeting at the
Cupertino Library.

Meeting attendees (11)::
Bill Miller, Mark Wahl, Andy
Hradesky, Bob Orrfelt, Jim
Wheeler, Del Fausey, David
Joseph, Terry Greenlee, Steve
Nichols, & Michael Furman & his
Dad, Jeff.

Welcome to new meeting
attendees: Del Fausey, Del
contacted us on 880128;; David
Joseph, David last subscribed
to the newsletter on 850420.

Mark demoed the new desktop
publishing program he is
developing for the QL.
Andy demoed his new Spectrum
128.

Michael demoed his Jupiter Ace

4000 which we believe was
designed by the designer of the
Spectrum and has FORTH in ROM
instead of BASIC.

Michael also demoed his TS1000.

Welcome to new subscriber
Dennis Langenfeld. Dennis sent
an extra \$5 to help with the
library projects.

GUTS/SV News 8803::

880330 meeting at Alviso
'Star By The Sea' Catholic
Church. Meeting attendees::
Mark Wahl, Terry Greenlee, Bob
Orrfelt, Bill Miller, Michael
Furman and his Dad, Jeff, Steve
Nichols, and new meeting
attendees: Jan Larsen and Mary
Gladden.

Jan has a ZX81 and Spectrum in
Denmark where he is a member of
the Danish Air Force.

Mary demonstrated the Robot she
and her daughter, Jackie built
from the plans in 'Boys Life'.
They are interested in
information for attaching a
computer to it. Can anyone
help? We suggested:: The
Robotics Society of America,
S.F.;; Jim Strophe;;
415-673-2376; 415-552-6564,
eves;; From: Computer Currents
880322-0404 Page 92..

Jeff Furman says he has a
'Jupiter ACE' that uses 'FORTH'
in ROM and resembles a
Spectrum.

Thanks to renewing subscriber
Judy Muir.

GUTS/SV News 8802::

880224 meeting at Alviso
'Star by the Sea' Catholic
Church.

Meeting attendees::
Mark Wahl, Bill Miller, Terry
Greenlee & Tim Swenson..

Thanks to Matthews Singer for
increasing his 8 month
membership to a 12 month
membership.

880428:0907;; SK8806;; END;;

1988 Jun 01 11:21:08::

880601:1115; 2525 WORDS;;

(S)LIX;; (C)ontacts;
Filename:: sc8805 (sc8804) (619
Lines);;

SLIX Contacts 8805 (23)::

880531/Letter from: Oscar
Eugenio Macia;; -;;
Billinghurst 1565, 2'g;; (1425)
Capital;; Bs.;; As.;;
ARGENTINA..

Oscar's letter is dated 880520
and postmarked 880524. We are
curious about how he found out
about us? Perhaps thru Fernando
E. Zanetta, who we met at the
880312-13 Oakland Computer
Show..

Oscar says he is 19 years old
and a student at U.B.A.

(Universidad de Buenos Aires).
He has a TS2068 he bought in
1986 and a TS2040 printer, a
48K ZX Spectrum, a ZX Spectrum
emulator cartridge (for the
TS2068), a ZX/TS Switch, a 128K
expansion for the TS2068, a
5.25 Disk Drive (DS/DD) (40 or
80 tracks?, 9 or 11 sectors per
track; that is, is it IBM 360K
or 720K compatible?), a 'Magic
Button' (Non-Maskable Interrupt?
(NMI) save?) for back up copys,
and over 900 programs for the
TS and ZX..

He asks 'How many owners are in
your area? in your country? In
Argentina are many owners, but
now it is in regretion for the
Commodore Computers..'.

Oscar offers to swap programs if
someone will send him a C-90
cassette tape with some
programs on it for the TS2068
only..

He also has a friend who has an
electronics shop who has the
following Sinclair Computer
Hardware for sale (all prices
in US Dollars)::

ZX Spectrum Emulator\$40
128K Expansion Pack\$80
Kempston Joystick? Interface
.....\$20
'Magic Button' Backup
Interface\$70
5.25 Disk Drive (DS/DD) ..\$500
ZX Programs for TS2068\$4
ZX Programs for TS2068 with
FI? Sound\$5 & \$6

Oscar offers to send more
information on specific
hardware and offers to send us
his complete list of TS
Programs. He also asks about
future projects we have for TS
(computers) and TS Owners. He
asks about information on
software and hardware
(available in the USA) for TS
and ZX and for a list of our
programs..

Oscar:

Thanks for your letter and the
information it contained. We
are doing most of our work on
the Sinclair QL now, which is
being sold by A+ Computer
Response;; 603-847-3373;; for
489. We have 3.5in and 5.25
720K (Double Sided, 80 tracks
per Side; Double Density, NFM
recording method; 9 sectors per
track) disk drives for it which
allow us to read or write any
180K (Single Sided), 360K, or
720K disk which uses the IBM PC
standard recording method. If
your disk drive can write or
read any of these formats, we
may be able to exchange
information and programs by
diskette which could save us
both a lot of typing and allow
us to search the information
and index it using our
computers. It seems that disk
drives are very expensive in
Argentina. Are Diskettes also
expensive? If they are, we
could attempt to send you a
5.25in Diskette first, since
they are essentially free for
us..

Our current project is to allow
all TS Computers to Exchange
disks in standard format,
probably IBM PC for the present
and possibly Macintosh in the
future (or whatever the new
standard is)..

Tell us what disc format your
disc system uses and we will
investigate sending you the
answer to your other questions
on diskette. We would also
appreciate information on the
TS2068 128K RAM Expansion. Does
it work with the Disk System?
Complete information on the
Disk System would also help a
lot. Thanks again for your
letter. Hope we can add you to
our regular Information
Exchange..

880530:0954/Call from: Jay
Siegel;; 718-435-4128..

Jay reports he is having
problems running the 'IMP'
communications program (by Irv
Hoff;; 415-949-2166) on his FDD
3000 System under CP/M..

When he tries to do an
'Autodial', the disk spins and
the system 'Hangs'. Can anyone
help??

880512/Package from Randall Baker; 9in x 6in, \$0.85 postage;; 415-594-0115..
Package contains;; Cassette tape, letter (done on laser printer?)..

Randy says he has enclosed the TS1000 MODEN program we spoke of on the phone. He says he loads it as follows:

1. LOAD "" (empty - no name)...
2. Upon report code 0/0 press 'Enter'...
3. A 'cover page' listing appears - Delete Lines 10 & 11...
4. Goto 1 and 'Enter' (This seems to initiate things or maybe that's just my imagination)...
5. Enter RAND USR (number in cover page listing) and you're in...

Randy says he has some literature on the program he can send but he found it useful to get the jist of things - nothing real solid...

He also says he would like to see Mark Wahl's TS1000 'speaker recognition' program...

880511:2211/Call from Bill Massengill...

Bill reports 'The American Micro Connection' will be giving beginners classes on the QL. Time and Schedule to be announced...

880510/Letter from Michael Furman; 408-245-3418...

Michael incloses a program that makes real music on a ZX81 or a TS1000...

He says the sound is best heard from the Mike Jack...

Michael also says he doesn't know a way to break out of the machine language routine. Can anyone help??

Michael: Hope we can figure out a way to transfer the text of your program to the QL so we don't have to type it in...

880509/'Chain Disk'? Letter from PPC Company; -; P.O. Box 1867; Orange Park; FL; 32067-1867...

880502/Letter from Jim Hoff; -; 10316 Chapman Hwy; Seymour; TN; 37865...

Jim says he learned about us from Computer Shopper. He has a 128K QL and would like to get in touch with a few groups and people with the same. He is interested in 'Shareware'. He has a small DataBase program in BASIC to trade. The program keeps track of his customers at the shop. He says it is crude, but does have many options and reports...

Jim: Thanks for your offer to share. We have some 'Shareware' programs, but we don't have a list with descriptions. We will inclose a listing of our '800T' program which you may find interesting. You will need ram bin to set up the RamDrive and it uses some disk extensions, but if you don't use the PRDCedures that use them, you may still find the program useful...

If you like, send us a cartridge with your program on it and we will return it to you with as many programs as we can get on it. If you are short on cartridges, just send us a listing of your program... Hope you decide to subscribe to our newsletter...

1988 May 29 18:05:32; 880529:1759; 2253 WORDS; (S)LIX; (C)ontacts; Filename: sc8804 (s/88) (521 Lines);

SLIX Contacts 8804 (23):

880430/TCM_UG Meeting at Stanford...

John Sphar of Data Consulting; 408-370-2257...

John gave a presentation on Local Area Networks with the focus on the 'Novell' system, which his company markets... Truitt Smith says the 'Novell' system is very similar to the networking of 'UNIX 4.1'...

880430/Letter from Judy Muir; 412-379-8762...

Judy says she finds our newsletter helpful because of its wide variety of information, especially for her favorite computer, the TS1000... She enclosed a check for \$7 for the 7 back issues we sent her... Judy: Thanks for the check. Glad to hear you like the TS1000. We have some projects which involve connecting the TS1000 to other computers so that the TS1000 can use the other computer's mass storage device(s). Maybe you, or some of the folks in your User Group could help...

880429:eve/Call from Randy Baker; 415-594-0115...

Randy reports he has (10) TS1000's, (10) Memotech 64K RamPacks, and a TS1000 A&J Microdrive (Stringy Floppy)... He would like to hook these up to a 'Heath-Zenith' robot which takes it's commands as files over a serial port in 'Motorola'/'Mikbug' format... Can anyone help?

880429/Letter from Brett Lidstone; -; 22 Ardoch Mews; Cambridge; Ontario; Canada, N1R 7P2...

Brett reports he has been a QL User for almost 2 years. He has found there are a lot of other QL users who like to correspond and share ideas. He is in regular contact with (3) QL users and intermittent contact with several others...

Brett also has been running a Sinclair Users Group in the Kitchener-Waterloo Ontario area for close to five years during which he has upgraded from a 64K ZX81 to a QL. Most members also upgraded to a QL but several are still dedicated ZX81 users most of whom are dedicated hardware buffs. Average meeting turnout is 8-15. Total membership is about 25...

Brett's system consists of:

- 88 640K Expanderam.
- 88 Sandy 'SuperBoard' with two 80 track Tandon 5.25in disk drives.
- 88 Roland PR-1012 dot matrix printer (Epson Compatible).
- 88 Old green monochrome monitor (with no obvious brand name).
- 88 Hayes 'Smartmodem 1200'.
- 88 Battery backed up clock which he built from a circuit featured in the 'QUANTA' newsletter last year...

Brett says he spends most of his time with his Assembler, C Compiler, and the SuperFORTH packages. He has a soft spot for computer languages, but has been thinking about starting a newsletter for his user group...

He includes a list of (50) commercial software packages he owns and says he has a long list of public domain software from 'Compuserv', other users and magazines...

Brett: Thanks for your letter and your interest. Maybe next time we communicate we can do it by QL 5.25in disk so I don't have to type all this in at a blazing (12) words per minute. I have inclosed a QL 5.25in disk with some recent SLIX files which you may find interesting. Hope you are able to send some back. Thanks again...

880429/Letter from Larry Anderson; -; 6203 Western Avenue; Davenport; IA; 52806...

Larry says he found out about us from 'TS2068 Up-Date' 8804 and asks 'How does one subscribe and how much?'...

Larry: Subscription information is in the attached TIMELINEZ 8712 and SincLink 8801-2. Hope you decide to subscribe!!

880428:1312/Call from Carl Rink...

Carl is planning a trip to Europe the last of May. Before he goes he would like to do (2) things:

1. Get his 'Exidy' flight simulator Assembly listing back.
2. Arrange a meeting with Mark Wahl on a Wednesday evening to discuss James Crumley's 880425 letter and TS2068 Matrix Calculation TS2040 listing with regard to the flight simulator project...

880425:1658/Call from Andy Hradesky; 408-248-8017...

Andy says his Spectrum 128 and Interface 1 came in the mail and works with the QL RGB monitor and ZX Microdrive... He also says he got his TS2068 setup to work reliably by attaching the A&J Microdrives to one TS2068 and the Zebra Disc Drives to a second TS2068... He also has a Trump Card for his QL...

880425/Letter from James Crumley...

James says he got his computer back, finished his matrix calculation program and got a TS2040 printer as a gift. He enclosed a TS2040 listing of his matrix program. He asks '...where can a fellow get rolls of paper to fit (the TS2040)?'...

James: Thanks for the listing and the typewritten discussion of it. We are trying to schedule a meeting to find out how it might fit in with the flight simulator project. The best paper for the TS2040 is the paper Radio Shack sells for their 'JP-10' printer which used to be sold for use with the 'MC-10' color computer. It prints much darker than the Timex paper. A catalog sheet we

got on 880427 lists the Timex paper as still available for \$15 for (6) rolls + \$3 S&H from: Zebra Systems; 718-296-2385...

880425/Letter from David Fyffe; -; 905 N. Curson #6; W. Hollywood; CA; 90046...

David says he is happy that people enjoy the TS1000 as much as he does. He says he purchased his TS1000 in 1982 and never realized at the time what a machine he had...

In 1984 David had an accident which resulted in his losing his eye sight. The TS1000 became difficult to use even though a friend purchased the speech unit for it. Much later and after 2 other computers (an Apple and an IBM) he realized just how easy the Timex is to program. When David can't figure out a program on other machines, he can on the Timex... David says that he realizes our group probably has programs and asks how to join our group. He is interested in an Assembler and utility programs...

David: The attached TIMELINEZ 8712 and SincLink 8801-2 should answer your questions on how to join. We have some projects in mind involving the TS1000, Apple, and IBM. Hope you can help!!

880424:1329/Call from Rex Lundgren; 415-922-0423 (msg)...

Rex reports he has investigated the 68008 timing diagrams and he suspects he can come up with a dynamic ram memory expansion design for the QL which will refresh ram between read/writes...

If this design works, it should be faster than the designs we have seen...

We told him we would try to make progress on (2) items which will be needed for the project:

1. Checking out the source of DIN 41612 64 contact connectors needed for the QL expansion boards: Digi-Key; 800-344-4539; Part No. H3064; \$5.10ea. + \$0.50 handling charge + shipping.
2. Design of the QL 'Expansion Board' which will bring out a 64 conductor ribbon cable from the QL expansion port. Probably this board will buffer the Data/ Address lines with '74HC...' devices and may (4) devices of up to 32 pins which may be static RAM or EPROM...

880420/TSEBZUG meeting, Library return by Tom Fattarusio...

Tom returned 'IFORTH, FORTH-79, 1.3, for, Sinclair ZX-81, Timex TS1000, Timex 1500, 16K RAM, HAWG WILD SOFTWARE, (TM), P.O.Box 7668, Little Rock, Arkansas, 72217' to the TSEBZUG software library. Manual (22 pages) and cassette... Tom reports he has modified a TS2050 MODEN board to operate as a MODEN with his PC Clone...

880419:1949/Call from Randy Baker; 415-594-0115 (msg)...

We talked to Randy about his TS1000, robot, voice recognition project and about

the possibility of him becoming SigOp of the LogOn San Mateo TSS16 with his TS1000, TS2050, Mini XMODEM 1.7? combination..

880415/Letter from Dennis Langenfeld..

Dennis enclosed a check for \$20. \$15 for subscription and \$5 for the 'TIMELINEZ Software Library Project'..

He says he hasn't heard from anyone about the 'TS2068 Advanced Concepts' Manual (which isn't to suprising since we haven't published the newsletter with the request in it yet)..

He also asks how to check out the 'TS2068 Technical Manual' and the 'TS2068 Intermediate/Advanced Guide' from the SLIX Library. His interest is in the hardware aspects of the TS2068: schematics; rear expansion port pinout/ explanation; and cartridge port pinout/ info. He is also interested in the Software Library Listing and the Vendor Support List..

Dennis included the following information for our User Interest File:

88 Professions: Electronics Engineer, Systems.

88 Home Computers: MicroAce (uncased); TS1000 w/ Memotech 64K, TS2040 Printer, & TS1016 RAMpack; TS2068; C64, 1541 Disk Drive, Okimate 10 Color Printer, Blue Chip Daisywheel Printer, Datasette Tape Unit.. 88 Work Computers: IBM PC/XT, 2-DSDD Floppies, 20MB Hard Disk, 640K RAM, Dot Matrix and Daisywheel printers, AST SixPackPlus, MODEM..

88 Interests/Knowledge: Hardware/ Software, BASIC, Assembly, Pascal, FORTH, LOGO.. Dennis is also interested in a disk standard for the TS computers..

Dennis: Thanks for subscribing and for the library contribution..

The 'TS2068 Technical Manual' we have weighs about 2 lbs. and would cost about \$2.72- \$4.80 to mail + a \$30 deposit. The 880427 catalog sheet from: Zebra Systems; 718-296-2385, lists it for \$29.95 + \$3 S&H. The 'TS2068 Intermediate/Advanced Guide' weighs 10oz. and would cost about \$1.08- \$1.75 to mail + a \$10 deposit..

We have enclosed a copy of TIMELINEZ 8710-11, which has a Software Library Listing.. The Vendor Support List is mostly contained in back issues of Sinclink..

We may be able to send Sinclink files to our PC Compatible and save them to 5.25 360K PC disk and send them to you. That may be the 'TS disk standard'.. Thanks again..

880413:1834/Call from Todd Crenshaw; 702-643-8838; BBS 702-643-8622 (on TRS-80 Model 4); 3990 Las Vegas Blvd. North, Space #245; Las Vegas; NV; 89115..

Todd is looking for a manual for a CompuServe FDC 100 floppy disc system for a TS1000. He plans to use the system as a 12 volt computer for field use for his model rocket hobby..

He promised to send us a list of information he has about CompuServe and Memotech products.. We recommended he contact: The Las Vegas TS User Group; Steve Samchuck; 702-451-6676..

880408/Card from Ron Townsend; -; 7771 Norway Dr.; St. Helen; MI; 48656.. Ron asks us to send info on the User Group..

Ron: Hope the attached TIMELINEZ 8712 & Sinclink 8801-2 provide enough information. If not, contact us again with specific questions. Thanks for your interest. We look forward to having you as a member!!

880407/Letter from Michael Furman..

Michael encloses some examples of a Sinclink logo he did on his TS1000 and TS2040 printer.. Michael: Thanks for the input, but we liked the logo you did about a year ago with your 'Etch-A-Sketch' program a little better. To bad we lost it because you didn't have a printer then. Keep trying- it's the only part of Sinclink that isn't a file. I don't know how we will send it to the Amiga's, Apple's, Atari's, & PC Clones. Maybe as an RLE file..

880407:1712/Call from Randy Baker..

Randy had been trying to contact the LogOn/ Sunnyvale BBS with his TS1000, TS2050 MODEM, & Mini XMODEM 1.7? and wasn't having any luck. We suggested he try calling the BBS back so that he would maybe get a different MODEM at the BBS since some of the MODEMs have been rumored to be failing.. He called back later and reported he was successful..

880407:1420/Call from Dawn Dodds of the San Jose Mercury News to ask about GUTS/SV meeting times and places.. We told her: Every Saturday at Stanford thru April and May & the last Wednesday of the month at the Cupertino Library thru April and May..

880406:1347/Call from Robert Warner; -; 3793 Underwood Drive, Apt. #3; San Jose; CA; 95117..

Robert is looking for a regular keyboard for his TS1000. He also asked what the TS1000 (used) is selling for now. We 'guesstimated' \$15- \$20 without the 16K RAMpack. He also has an 'Epson' computer. He learned about us from the San Jose Mercury News..

880405:1657/Call from Mike Franz; 715-842-1477; 1327 1/2 2nd Street; Wausau; WI; 54401..

Mike learned about us from Computer Shopper. He is looking for help in interfacing a TS1000 to a robot and also in adding more memory to the TS1000..

We suggested he contact: The Robotics Society of America, S.F.; Jim Strope; 415-673-2376; 415-552-6564 eves.; 36 Newell St.; San Francisco; CA; 94133; (from Computer Currents 880322- 0404

page 92)..

Jim demonstrated his robot with a TS1000 for 'brains' at the TSEBZUG meeting of 850627..

88 For adding more memory to the TS1000, check out the 64K CMOS design from: Time Designs Magazine (503-824-2658) 8705-6 page 27-28 by: Tim Stoddard; CompuServe 73127,2664; 85-48 66th Road; Rego Park; NY; 11374..

880408:1848/Call from Andrew Woodman; 602-778-1513; P.O.Box 3930; Prescott; AZ; 86302..

Andrew found out about us from Computer Shopper. He has a TS1000 and a PC8300 which he would like to use to control a telescope. Can anyone help??

880405/Letter from Walter Ealey..

This looks like the same letter we received on 880319 and answered in 880803..

880402/Letter from Jack Repass; 501-734-2086; Box 49; Brinkley; AR; 72021.. Jack reports he finally got his TIMELINEZ magazine, it seems the TIMELINEZ mailing list has an ALASKA state code for him instead of the ARKANSAS one. He says he found out about TIMELINEZ from Norm Leffeldt and him thru Joe Macafee, an engineer friend at Timex/ Little Rock.

Joe would like to corresponde with someone about getting his print the graphics off his TS2068 screen. Can anyone help??

880425:0836; sc8804; END;

1988 May 29 20:03:00; 880428:1554; 2904 WORDS; (S)LIX; (C)Contact Index; Filename: sc8803 (sc8802) (679 Lines);

SLIX Contact Index 8803 (24);

880331/Letter from: Judith Muir; 412-379-8762; 1 Virginia Drive; Donora; PA; 15033..

Judy sends a \$15 check to 'Sinclink' to renew her subscription. She says she and Ralph Vasko were lucky enough to win one of the 20 sets of 20 TIMELINEZ back issues contributed by TIMELINEZ and Sinclink to Computer Fest at Indianapolis and asks about obtaining back TIMELINEZ issues: Vol. 1 Nos.: 2(8307-8); 3(8308-9); 4(8310); & 6(8312); Vol.2 Nos.: 2(8402); & 4(8404); & Vol. 3 No.: 4-5(8504-5)..

Judy: I have enclosed the issues you requested. If you could send 'Sinclink' \$1 for each issue, it would help us out of our current financial 'Embarrassment'. If you can't afford it, don't worry about it. Thanks for renewing.

880331/Letter from: Charles Gann; -; Rt. 2, Box 1745; Paris; AR; 72855..

Charles learned about us from Computer Shopper which he receives every month. He recently got into computing with a TS1500. He asks 'What

exactly is a User Group such as yours and what do you do? Also what is meant by public domain? Is there one for Timex-Sinclair users?'. He also asks about vendors that carry hardware and software for the TS1500.

Charles: The attached TIMELINEZ 8712 and Sinclink 8801-2 should help to answer your questions about what a user group is and does. As we told Walter Ealey, we are working on a list of hardware and software (with sources) for the TS computers, but we don't have it ready yet. 'Public Domain' Software is software that may be freely copied and distributed. Some of it asks for a 'donation' to the author if you like it and use it. We have about 33 programs in our TS1000- 1500 Public Domain Library. They are listed in TIMELINEZ 8710-11 which is available for \$1 (postpaid) from: Sinclink; 6675 Clifford Drive; Cupertino; CA; 95014-4530.. Make Check or Money Order payable to 'Sinclink' or send postage stamps if you don't like to send cash thru the mail.

880329/Great NW TS Mini-Fair 880806-7 announcement; for:

88 CCAT/S User Group- Host

88 RME Enterprises- Sponsor

88 Time Designs Magazine- Sponsor..

Rod Bowen; 503-655-7484; Fair

Producer; 1419 1/2 7th Street; Oregon City; OR; 97045; USA..

880328:0911/Call from: Timothy White; 415-474-3358.. Timothy is looking for a TS1000 with 16K RAMpack, TS2040 printer, and cassette recorder to learn about computers. He used to have a TS1000. We suggested Sunset Electronics at 415-665-8330 or John Hanson. We also 'guesstimated' a price of \$30-\$40 for a used TS1000 with 16K RAMpack or TS2040..

880326:1930/Call from John Hanson..

John reports he used his TS1000 system to debug programs for a computer class he was taking during the Spring of 1983 which was taught on an Apple. He asked if we thought there was any market for his system. We said we didn't know, but we would put it in the Newsletter and see..

880323:0904/Call from: Kevin Argo; 513-762-4014; 1558 Beemon Lane; Florence; KY; 41042..

Kevin says he learned about us from the San Jose Mercury during a recent trip to this area. He is looking for a local User Group to join and a program to run on his father's ZX-81 with 16K RAMpack that will do payroll deductions for his business. Can anyone help? Kevin: There used to be a user group in Cincinnati. There are also user groups in Columbus?, Cleveland?, and Indianapolis that might be helpful. The Indianapolis and Columbus groups are listed in the attached Sinclink 8801-2. Does anyone have a current address for the other groups?

If you could give us some idea of what the payroll program should do, some of the folks in our group might give it a shot. I looked thru our Catalog file and found some catalogs that listed TS1000 (ZX81) Payroll Programs. The Catalogs are kind of old and some of them are marked 'Closeout', but you might try contacting the companies:..

88 1985 TS 1000 Catalog;; SUN-WARE;; 716-547-2273;; Page 8;; 'C4017 Payroll (requires 16K) ...\$24.95. The answer to your book-keeping needs; a payroll program that has records, calculates the weekly payroll for up to 32 employees. It itemizes both Federal and local deductions, retains a full 52 wks of data which can be recalled. Maintains all of the with-holding accounts. Maintains a record of paid vacation and sick leave.'..

88 JPR Software Catalog postmarked 860110;; JPR Software;; 1-305-273-1126;; Page 2;; Payroll Program ...\$8.00, Stock # 150-11-009...

88 21st Century Electronics Catalog (with no date or return address!!) lists a payroll program called 'PAYDATA 2E' for ...\$49.95..

Does anyone know anything about these programs?

You might also consider joining our group. Hope we hear from you!!

On 880408 we found more information on TS Users Groups and TS Suppliers in a document we received from Time Designs Magazine, 503-824-2658, on 870408:..

88 Portsmouth TS Users Group;; c/o John Marion;; 606-473-6791;; HC 63 Box 650;; Greenup;; KY;; 41144..

88 21st Century Electronics (Your Timex and Memotech Center);; -;; P.O. Box 5037;; Guttenberg;; NJ;; 07093..

88 880319/Letter from: Walter E. Ealey;; -;; 81 Lookout Drive;; Bella Vista;; AR;; 72714..

Walter reports he bought a TS1000 and found out afterwards that he couldn't find any software or hardware for it. He would appreciate it if we could help him with this problem.

Walters: We are working on a list of software and hardware for the TS computers. As you can see from the attached TIMELINEZ 8712 and Sinclink 8801-2, there is still a great deal of interest in TS computers. Hopefully these newsletters will help you to solve your problem. Hope you decide to subscribe!!

88 880317:2018/Call from Jim Palaer..

Jim bought a TS2068 without a power supply and has borrowed one from John Petersen but he needs to buy one. Can anyone help? Maybe someone who got an extra back from a Timex repair..

88 880317/Letter from: Earl V. Dunnington;; 305-732-6219;; 4356 King Theodore Dr.;; Boynton Bch;; FL;; 33436..

Earl reports he was given a copy of TIMELINEZ at the Sunstate TS Winterfest. On page 339 the POKES to lower RANTOP for the TS1000 VERIFY program by David Nowotnik are incorrect. They should read:..

POKE 16388,255
POKE 16389,123

Earl also included the program below to be relocatable to any address below 32767. As the VERIFY is written using 2s complement Arithmetic, it can not be adjusted to run above 32636 using his program.

20 PRINT "ENTER DESIRED OPERATING ADDRESS"

30 INPUT OP
35 IF OP>32636 THEN GOTO 290

40 LET A=OP+16
50 LET B=OP+122
60 LET C=OP+108

70 LET HB=INT (A/256) 90 POK

80 LET LB=A-256*HB

100 POK 16527,HB

110 POK 16557,LB

120 POK 16558,HB

130 POK 16579,LB

140 POK 16580,HB

150 LET HB=INT (B/256)

160 LET LB=B-256*HB

170 POK 16552,LB

180 POK 16553,HB

190 LET HB=INT (C/256)

200 LET LB=C-256*HB

210 POK 16583,LB

220 POK 16584,HB

230 LET X=16514

240 FOR I=OP TO OP+131

250 POK I,PEEK X

260 LET X=X+1

270 NEXT I

280 NEW

290 PRINT "OPERATING ADDRESS TO HIGH"

300 STOP

88 880317/Letter from:..

ZI-Appeal;; Vancouver Sinclair User Group;; Harvey Taylor;; BBS 604-469-0264, Frog Hollow;; Secretary;; 726 West 17th;; Vancouver;; BC;; V5Z 1T9;; CANADA..

Harvey writes to inquire about SLIX. He says that Ian McLean of VSUG would like to put all the ZI-Appeal newsletters on a 'database' so that articles could be easily accessed. VSUG had heard that 'the San Francisco group' had a database of all newsletter articles/authors we exchange with and if so could VSUG get an electronic copy?

Harvey: What we have is 'Sinclink' available as TS2068/Wafadrive files (when the printout is 64 characters per column wide) or QL/Microdrive, 720K 5.25in or 3.5in disk files (when the printout is 32 characters per column wide). We have been doing this for about a year. As you can see from the attached TIMELINEZ 8712 and Sinclink 8801-2, Sinclink is a set of files named:..

88 SKYYM; which lists the other Sinclink files for that month plus the month's activities of GUTS/SV.

88 SCYYM; which lists SLIX contacts for that month.

88 SIYYM; which lists SLIX exchange newsletters received that month with an index to the articles in them.

88 SGYYM; which is an index to Sinclair information in magazines and newspapers we get each month (from various sources).

88 STYYM; an index to Sinclair information we find in catalogs we receive each month.

88 SPYYM; a report on any progress made that month towards SLIX goal of getting Sinclink on a BBS with 'Search' capabilities.

We have been considering putting the Sinclink files on the LogOn/SV BBS since it is very reliable and has 10 to 32 lines available. However it does not have a 'Search' capability.

We are also working on a BBS design which would incorporate a single home telephone line between 9PM and 9AM local time so that normal home telephone use would not be affected. This design would use a QL so that most every Sinclair User Group could have it's own BBS.

If VSUG would like to exchange with SLIX, send us a Wafer, Cartridge or disc with some of your files and we will see if we can read them and will send some of our files back. This offer is for any of our other readers also.

Hope this answers your questions. Thanks for your interest.

88 880314/Package (15in x 10.5in with \$2.42 postage!) from James Crumley. Contains:..

88 Contribution to SLIX: Book, 'TS2068 Intermediate/Advanced Guide' by Jeff Mazur.

88 Letter: Jim says he is able to use his computer again but would like some input from the folks who plan to use his matrix calculation program for the flight simulator.

Jim also says he has a copy of the TS2068 technical manual and offers to make it available to the group.

He has his family looking for ZI-FORTH (which he sent home) in answer to D. G. Smith's request.

He has also received the information he requested from Larken.

Jim: Thanks for the book contribution and the manual offer. We also have a copy of the technical manual, so we won't need to take you up on your offer.

We will try to get you more information on the flight simulator/matrix calculation requirements.

88 880314/Letter from: Dennis Langenfeld;; -;; 5230 Redondo Circle;; Colorado Springs;; CO;; 80918..

Dennis says he is looking for a copy of 'TS Advanced Concepts Programming Manual' for the TS2068. He found out about us from MicroTimes 8803. He says he has contacted Timex but they were not able to help. He is willing to compensate anyone who can provide a copy. If someone has one but does not want to part with it, Dennis would still like to hear from them to arrange getting the information. He will handle the copyright release.

Dennis: We checked our library and we can't find the book. We will keep our eye out for it. Can anyone else help?

88 880314/Letter from: Don Berry;; -;; 2106 Opal Dr.;; Orlando;; FL;; 32822..

Don requests information on the TS Software Exchange program mentioned in TIMELINEZ (8712?).

Don: If you have the 8712 and 8710-11 TIMELINEZ, you have all the information we have on the exchange. If you don't have them, we can provide them (postpaid) for \$1 each. If you would like more information on any of the programs listed in the 8710-11 TIMELINEZ we can provide listings of the programs (postpaid) for \$1 each. Just tell us which programs you are interested in. Hope this answers your questions.

88 880313/Message from Rex Lundgren..

Mary Gladden;; 408-263-9006;; Mary wants to get her son interested in computers. We returned the call to her answering machine and left a message: 'Call Bill Miller at 408-253-3175 for Timex Sinclair information.'..

88 880312-13/SLIX Booth at the Golden Gate Shows Computer Show and Sale at the Oakland Coliseum..

Thanks to Terry Greenlee, Bill Miller and Don Moser for manning the booth. (11) people signed our sign up sheet in exchange for a TIMELINEZ 8712:..

88 Fernando E. Zanetta;; San Juan 836 2'A;; Rosario (2000);; Argentina;; Fernando spoke to us thru an interpreter (his friend). He has a TS1500, TS2068, and Aiga 1000..

88 Jack Reiley;; 198-B Dobbins;; Vacaville;; CA;; -;; Computer (dealer)...

88 Buruis McLean;; 1420 Darlene Dr.;; Concord;; CA;; 94520..

88 Edward Legacy;; 2126A Eagle Ave.;; Alameda;; CA;; 94501..

88 George Buce;; 617-776-5861;; 219 Tremont St.;; Somerville;; MA;; 02143;; George programmed a TS1000 in 'Tree Forth' (which is multitasking) to control a medical instrument.

The company he worked for made a 'Cow's milk contamination analyser' which was controlled by a TS1000.

They wrote the programs on an IBM PC and downloaded them to the TS1000 as key strokes.

George suspects they may have bought about 200 TS1000 expansion boards from Eric Rieter's 'Computer Continuum'..

88 Dan Gebhart;; 415-686-9122;; 700 Court Lane;; Concord;; CA;; 94518..

88 Steve Elefont;; 415-430-1036;; 283 Beau Forrest Dr.;; Oakland;; CA;; 94611;; Steve has (3) TS1000's FOR SALE, and is interested in MODEMS..

88 Drew Perttula;; 415-655-0227;; 100 Wildwood Ave.;; Piedmont;; CA;; 94610;; Drew's teacher is giving him a TS1000. He may be asking for help on the LogOn BBS. He is already familiar with other PCs..

88 Dave Hobbelt;; 415-865-2035;; 1022 Pacific Ave.;; Alameda;; FOR SALE (mostly unused)...

88 Michael Shiner;;
415-986-8646;; Security Dept.,
Bldg. 107; Nav. Sta. Treasure
Island;; San Francisco;; CA;;
94130;; Michael has a TS1000
and TS2068..

88 G. Tom;; 415-644-1878;; P.O.
Box 546;; Berkeley;; CA;;
94701;; Mr. Tom is
investigating organizing a
computer show at a shopping
mall..

88 880312/TCM_UG "PORTAL"
presentation;;

88 880309/Mark Wahl reports the
Pastor at his church purchases
Wafar II's (for the Wafadrive
and A&J TS2068 Microdrive and
Smith Corona Word Processor)
from: Smith Corona;; -;; 839
Route 13 South; Box 2020;;
Courtland;; NY;; 13092-0980..

88 880309/Letter from: Gary
Bangs;; -;; 160 Gardner St.;;
Vallejo;; CA;; 94590..

Gary reports he recently found a
TS1000 he put away many years
ago. He has been using a C-64.
He would like to expand the
TS1000 as much as possible. He
needs as much information as
possible about memory upgrades
and peripheral/ interfaces. His
current project is fitting
combinations of 8 and 32K SRAMs
to fill all possible memory
space between the top of the
BASIC ROM and \$FFFF with
bankswitching the latter 32K
between many using a I/O port
to latch between them.

Gary says the more ideas he can
get the better, and any help
will be greatly appreciated.
Gary: The attached TIMELINEZ
8712 and SinLink 8801-2 should
give you some ideas about
sources of information. Keep us
informed of your progress. We
are working on similar
projects. Hope to see you at a
meeting!!

88 880309/Letter from: Darryl
Sale;; -;; 1283 W. Parklane
Blvd. #213;; Chandler;; AZ;;
85224..

Darryl found out about us from
Computer Currents. He asks
about information on how to
use/ upgrade his TS1000 and
about joining our group/
subscribing to our newsletter.
Darryl: The attached TIMELINEZ
8712 and SinLink 8801-2 should
answer your questions. We look
forward to having you as a
member!!

88 880308/'Chain' Letter from
'Creative Catalog?', 'Florida
Software?', 'Elite Programs?',
'Eliana Computer Consult'?

88 880307/Letter from: Ed Grey
Enterprises;; 213-759-7406
voice; 213-971-6260 Grey Matter
BBS;; P.O. Box #2186;;
Inglewood;; CA;; 90305..

Ed says 'The sales and service
formally offered by Grey &
Clifford COMPUTER PRODUCTS, to
the Timex/Sinclair community,
is going to continue under the
name of Ed Grey Enterprises.
Not much will change, except
there is a new online BBS to
support our customers. The Grey
Matter BBS & RCP/M
(213-971-6260) started on

January 24, 1988. It operates
24 hours a day, 8 data bits/ 1
STOP bit/ no parity, and runs
300/ 1200/ 2400 bps. Dave
Clifford's TIME-Z-1=CHANGE will
continue to be online, but
orders should now be directed
to the Grey Matter BBS (phone
number and mailing address have
not changed). Although I hope
to expand the product line with
new and innovative Timex
products, I will also offer
many non-Timex specific
products. Catalogs are FREE,
just ask by any of the methods
mentioned above..

88 880305/SLIX Booth at the
Golden Gate Shows Computer Show
and Sale at the Santa Clara
Convention Center..

Thanks to Mark Wahl for manning
the booth and to Cecil E.
Bruce;; 415-783-9768; who had
TS1000 software FOR SALE for
\$1, for contributing to SLIX
complimentary copies of the
TS1000 programs:

88 Money Analyzer 2 for 2K RAM

88 Frogger for 16K RAM

88 States and Capitals for 16K
RAM

88 Mixed Game Bag for 2K RAM

(4) people signed our register
in exchange for a TIMELINEZ
8712:;

88 Gary Hitchcock;; -;; 309
Westchester? Ave.;;
Huntsville;; AL;; 35801..

88 Mary Vorant;; -;; 314
Richman Dr.;; San Jose;; CA;;
-..

88 Dongwon Rew;; -;; 1000 Kiely
Blvd., #97;; Santa Clara;; CA;;
95051..

88 Allen Diehl;; -;; 502 Chinook
Lane;; San Jose;; CA;; 95123..

88 880304/Call from: 'Darisa' of
Golden Gate Computer Shows..
Darisa says booth 904 is
reserved for GUTS/SV at the
880305 Computer Show and Sale
at the Santa Clara Convention
Center. Setup is from 7:30 to
10:00..

88 880303/Letter from: John
Hanson;; -;; 6926 E. Lyell;;
Fresno;; CA;; 93727..

John says he has a TS1000 system
FOR SALE which includes:
TS1000 computer with power
supply and manual;; 16K
RAMpack;; TS2040 printer with
power supply;; (6) rolls
printer paper..

880314:1757;; sc8803;; END;;

1988 May 29 20:12:29;;

880428:1532;; 1280 WORDS;;

(S)LIX;; (C)ontact Index;;
Filename: sc8802(SC8801) (312
Lines);;

(S)LIX (C)ontact Index 8802
(17):;

88 880229:1052:31/Call from:

Bharat Shah..

Bharat suspects the parts he
mentioned in his 880224 call
may go in a 'Digital Sampler'
Peripheral for the Spectrum
made by 'Datel'.

He will call his friend in India
and try to find out if this is
the case and if his friend has
an 'Old Spectrum' (with rubber
keys) or a 'New Spectrum' (with
plastic keys)..

88 880229/Letter from Matthews D.
Singer;;

Matthews reports that he was
lucky and his mother left her
hearing aid where he could find
it and since he was able to get
\$5 for it at the pawn shop, he
was able to send us the
additional \$5 for a full year
of TIMELINEZ/ SinLink.

Matthews: Thanks for the
additional \$5. We have
converted your membership to a
full year. Hope your mother
doesn't find out where her
hearing aid went..

88 880227/Letter from Stanley M.
Adams;; -;; 209 Portlock
St.;; Kenai;; AK;; 99611;;
Stanley addresses his letter to
'SinLink Co.' and requests a
copy of our 'Current Catalog'.
Stanley: The attached issues of
TIMELINEZ and SinLink are the
closest things we have to a
catalog. Hope you decide to
subscribe.

88 880226/Letter from John
McDonnell;; -;; 608 W. 23rd
St.;; Upland;; CA;; 91786;;
John reports he recently bought
a TS1000 and is interested in
learning more about it's
capabilities. He is also
interested in joining our user
group.

John: As you can see from the
attached TIMELINEZ/ SinLink,
dues are \$15/year, which
includes subscription to the
newsletter(s) and access to the
library(s). Hope we can add you
to our mailing list!!

88 880224:1145:27/Call from:
Bharat Shah;; 408-982-3409
(work)..

Bharat has a doctor friend in
India with a Spectrum which his
friend suspects needs a:
88 2N427E 'ADC' (Analog to
Digital Converter?)..

88 2N428E 'DAC' (Digital to
Analog Converter?)..

Bharat works in the Quality
Assurance Department at
National Semiconductor in Santa
Clara. He found out about us
from the San Jose Mercury
News..

88 880223:2033/Call returned by
John Ezike.

John says that although TSEBZUG
missed it's 880217 meeting at
the Berkeley West Branch
Library on the third Wednesday
of the month at 7:30 P.M., they
plan on making the 880316
meeting.

88 880223/Postcard from GFK;; -;;
Box 5067;; Novato;; CA;;
94948;;

GFK is looking information or
leads regarding articles or
schematics that show how a
Timex can be used to receive
one or more signals (like from
temperature or pressure
sensors) and then record the
data periodically and maybe
output a signal or a high or
low bit change at a certain
level. He recalls seeing such
an article a few years ago but
can't track it down.
Can anyone help?

88 880222/Letter from Calvin R.
Walker;; -;; PO Box 5003;; MS
State;; MS;; 39762-5003;;

Calvin reports he has a TS2068,
TS2050 MODEM, A&J Microdrive,
and NEC PC-PR103A dot matrix
printer. He says the 'LPRINT'
and 'LLIST' commands work
alright but the three screen
copy commands only yield
'Garbage'. He would also like
to use the printer with the
MODEM.

Calvin: Although we have a
TS2068 and A&J Microdrive, we
have never used the 'Screen
Copy' command- mainly because
our printer- an old MX-80
without 'Graphtrax' doesn't
support graphics. Maybe one of
our readers can help you.

We have also run into the
problem of not being able to
use printers (other than the
TS2040) with the MTERM program.
We suspect that the cheapest,
most direct solution is to use
the TS2040. If you don't have
one, they were advertised on
page 369 of the 8803 Computer
Shopper for \$39.95.

Do any of our readers have
another solution?

88 880220/Letter from George E.
McCloskey Sr.;; -;; 57548
Oakside Ave.;; Mishawaka;; IN;;
46544..

George asks for complete
information on our Timex
Sinclair Users Group. He
reports he has a QL and is very
interested in becoming a member
of a TS User Group.

George: The attached TIMELINEZ
and SinLink should answer your
questions. We look forward to
having you as a member.

88 880219/Letter from Ed
Prywitoski;; -;; 3225
Nottingham Road;; Norristown;;
PA;; 19401;;

Ed learned about us from
Computer Shopper. He has a
TS2068 and TS2040 printer. He
says sources of additional
hardware and software have
pretty much disappeared in his
area and he is interested in
who is still supporting the
TS2068. He also inclosed a self
addressed stamped envelope for
a sample newsletter.

Ed: The attached TIMELINEZ and
SinLink should answer your
questions. Hope you join!!

88 880216:1002:47/Call from Jim
Palmer;; 213-858-6939;; 2707
Benedict Canyon Dr.;; Beverly
Hills;; CA;; 90210..

Jim found out about us from
Computer Shopper. He bought a
TS1000, RAMpack, & TS2040
printer at a garage sale for
\$30. He also has an Amiga 500
and used to have an Atari 1040.
Jim: It was good talking with
you. We have recently been
investigating the Amiga. It
appears to be a close relative
(operating system wise) to the
Sinclair QL since Metacooco had
a good opportunity to examine
the QL multitasking operating
system (while they were
adapting 'C' and 'PASCAL' to
it), before they wrote the
Amiga multitasking operating
system. Hope you decide to join
our group!!

88 880214:1842:29/Call from Joel
Frankel;; 415-964-3514..
TS1000 FOR SALE, in box, best
offer.

8 880210/Visit from Andy Hradesky. Andy gave us letters he had received and answered to be added to SLIX files:: 871109, Mrs. Barbara Land;; 871018, Tom McHargue;; 870930, Joan Kealy..

8 880208/Letter from James Crumley with \$5 check for the (4) TS2068 program listings we sent him. He says the 'Statistics' program was most impressive and he plans to do a description of it as soon as he is able to use his computer again. Ft. Leavenworth has placed a temporary moratorium on the use of computers by those incarcerated there. He also reports he is making good progress on the Matrix Manipulation program. James: Thanks for the \$5. Glad you found the information we sent you usefull. It turns out, the Matrix Manipulation Program will be usefull for a Flight Simulator Program one of our members is working on, not the CAD program as we thought.

8 880207:1415/Return call to Jay Brockman;; 408-737-0733.. Jay reports he has the following items FOR SALE:: TS2068, TS2040 printer, AERCO parallel printer interface, (2) cartridge boards, (6) multi-EPRON boards each with (4) EPROMs (24 Total) including:: Vu-Calc, Vu-File, MScript, Horace, Monitor. \$150 for all.

8 880202:1436/Call from John Avenue;; Sunnyvale;; CA;; 94086.. John was referred to us by Timex watch engineering in San Jose. He is looking for a printer for his TS1500. We suggested Sunset Electronics at 415-665-8330 and American Design Components at 201-939-2710 who advertise the TS2040 printer for \$39.95 and the TS1500 for \$39.95 in Computer Shopper 8802 page 154.

8 880125/Letter from Frank Lockhart;; 704-484-8539;; P.O. Box 1131;; Shelby;; NC;; 28150.. Frank reports he has written 'Engineering', 'Mathematics', 'Games', etc. programs for the TS2068 & TS1000 and is preparing them for the QL. Prices (including First Class Postage):: QL \$17.95 ea.;; TS2068, \$12.95 ea.;; TS1000, \$8.95 ea.. The programs are:: No. Description;; 2068;; 1000.. 1. Belt & Chain Drives;; Yes;; Yes.. 2. Levers;; Yes;; No.. 3. Spur Gear Drives;; Yes;; Yes.. 4. Pulleys & Wheels;; Yes;; No.. 5. Balance;; Yes;; Yes.. 6. Weight Calculations;; Yes;; No.. 7. Wire & Metal Rod;; Yes;; No.. 8. Trigonometry;; Yes;; Yes.. 9. Oblique Trigonometry;; Yes;; No.. 10. Chord/ Curve;; Yes;; Yes.. 11. Conversions/ Functions;; Yes;; No.. TS2068 Only:: 12. Terror From Mars.. 13. Game Board.. 14. Guess the Number.. 15. State Capitols..

16. Basic Renumber.. 17. Graphics Designer.. 18. Math UDGs..

880304:0942;; sc8802;; END;; 1988 May 29 17:01:37;; 880529:1654;; 580 WORDS;; (T)IMELINEZ/ SincLink;; (A)rticle;; Filename:: ta88527a (sf88) (181 Lines);;

8806 Future TIMELINEZ/ SincLink Articles (30)::

1. 'How to Make Your Timex Sinclair Computer Compatible With:: Amiga, Apple II, Atari, Commodore, CP/M, Macintosh, PC Compatible, TRS-80, & More..' Authors:: 1.1 Mark Wahl:: Amiga 2000, Macintosh, Sun Workstation, & UNIX. 1.2 Steve Nichols:: Commodore 64 & 128 1.3 Terry Greenlee:: PC Compatible 1.4 Michael Furman:: TRS-80 Color Computer 1.5 Bill Miller:: TRS-80 MC-10 Micro Color Computer 1.6 Jack Dohany:: TRS-80 Model 100 & CP/M 1.7 Keith Felix:: TI-99/4a. 1.8 Dan Mowrey:: Atari 1040st.. 2. QL 'sealoc_bas' Program by Mark Wahl 3. Use 300 BAUD (TS2050) MODEM as 1200 BAUD by Kevin Leung 4. QL 'keycaps' Program by Mark Wahl 5. QL Modaport Article by Harvey Taylor from ZX-Appel 8804 6. A Glossary of Computer Terms by Andy Hradesky 7. Articles by Tim Swenson:: 7.1 Tyanet Information Service (Test Your MODEM) 7.2 'Cookies' 7.3 QL System Variables 7.4 QL Program Lister 7.5 QL Screen PEEK'r 7.6 QL? Index- Bubble Sort 7.7 QL Vector Based Characters 7.8 QL Linked Lists.. 8. TS1000, TS2068, and QL Public Domain, ShareWare, or FairWare (Freely Copyable) Files on CompuServe by Andy Hradesky. 9. Jack Dohany's 8801 FairWare Catalog. We would like to publish when we get the space. If you can't wait, use the instructions elsewhere in this issue to get your copy directly. 10. RLE File 'Cruncher' and 'Uncruncher' BASIC Program by Steve Nichols. 11. QL firework_bas Program by Mark Wahl. 12. Sinclair Wafer Scale Integration by Mark Wahl. 13. TS Publications by Andy Hradesky.. 14. QL Networks and File Servers by Mark Wahl.. We intend to publish these in more or less the order listed.. If you would like to see specific articles published first, or if you would like to see articles on other subjects you may contact:: The TIMELINEZ/ SincLink Editors c/o Bill Miller;; 408-253-3175 6675 Clifford Drive Cupertino, CA 95014-4530

8806 Future TIMELINEZ/ SincLink Articles;; END..

S . N . U . G .
Sinclair Northamerica Users Group

During one of the organizational meetings of the recent Sunstate Timex/Sinclair Winterfest '88, the idea of a National organization for the advancement of Sinclair computing came up. It was decided that since we had developed a "core group" that was dedicated to promoting Sinclair computing, we would attempt to lay the groundwork for such an organization. It was also mentioned that the greater the amount of time from the departure of Timex from the computer industry, the less of an active market would result. Since we would have users from across the nation at the fest, it would be an ideal time to make our plans known. So, the Sinclair Northamerica Users Group, or SNUG (a name submitted to us by John Cushman, and later modified by Bill Jones) was starting to come closer to reality.

WHAT IT IS

The intent of SNUG is to provide a forum for exchange of ideas. It would be a source of information, such as a listing of active members, active Users Groups, Sinclair specific Bulletin Boards, an active library of Public Domain software, and a listing of available shareware and freeware. Later on we hope to propose an industry wide standard of hardware and software compatibility. So as to not have to have to reinvent the wheel, and to do this in the shortest amount of time, we going to try and use an already established National group, such as CORSA (Corvair Owners Assn.) as a model to base our group on. SNUG would act as an umbrella Organization, with Regions being developed to tie in with established groups in those areas.

WHAT IT ISN'T

It is the intent of the organizers NOT to infringe or supersede any already established User Group or Vendor. It is intended to show some strength to the industry that Sinclair is not dead, and the mere fact that we can get this Organization together will prove that we can stick together and grow and prosper. We look at this as an enhancement to activities that have been planned on. Hopefully a Northamerican Calendar of events could be established to help co-ordinate any future plans and events. It is not designed to take anything away from anyone.

WHAT TO DO

We need the support of EVERY SINGLE SINCLAIR USER ! Whether you reside in Canada, the U.S., or Mexico, or for that matter anywhere, we need to know how you feel and what you want in this Organization. This is your opportunity to be heard ... your comments, criticisms, complaints, or praises. What we have here is nothing more than an idea. Nothing at this time is set in concrete. We are more than open to suggestions. To make it work, these ideas of yours have to be forwarded immediately. We are putting on a time limit until June 30, 1988. If there is no support, then we will not proceed further. If there is input, we will update on a monthly basis to whoever will put the information in print. So, lets hear from you soon!!

TEMPORARY CONTACT FOR INFORMATION :

MEL NATHANSON

7515 ARBORDALE DRIVE
FORT RICHEY, FLORIDA 31668

(813) 863 - 5552

"1988: A sinclair QL ODYSSEY"

at your
local QL dealer!

AMERICAN MICRO CONNECTION
1256 Henderson Avenue
Suite 1
Sunnyvale, CA 94086

408-244-6707

FROM: :

TIMELINEZ/ Sinclink
c/o Bill Miller
6675 Clifford Drive
Cupertino, CA 95014-4530
USA

1988 Jun 06 17:40:07
#1:1188 118
880406.1730: 693 WORDS:
(1)TIMELINEZ/ Sinclink:
(1)Information: Filename: t188
(s188) (218 Lines):

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Published Monthly (or as
finances permit) by:
GUTS/SV (Group Using Times
Sinclair of Silicon Valley)..
TSERZUG (Times Sinclair East Bay
780 Users Group)..
TSRUB (Times Sinclair Peninsula
Users Group)..

Managing Editor: Andy Hradesky
Co-Editors:

GUTS/SV: Bill Miller

TSERZUG: John Ezike

TSRUB: George Hockridge

Advertising:

Andy Hradesky

Bill Miller

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send exchange newsletters to:
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Cupertino; CA: 95014-4530..

LISTING USER GROUPS? Please
list us as:

TIMEX SINCLAIR SILICON VALLEY
USERS (GUTS/SV). Contact: Bill
Miller; 408-253-3175; 6675
Clifford Drive; Cupertino;
CA: 95014-4530..

TIMEX SINCLAIR EAST BAY 780
USERS GROUP (TSERZUG). Contact:
John Ezike; 415-843-5507;
1619 Grant Street #6;
Berkeley; CA: 94703..

TIMEX SINCLAIR PENINSULA USERS
GROUP (TSRUB). Contact: George
Hockridge; 415-878-1773; 311
Michelle Lane; Daly City;
CA: 94015..

LOOKING FOR TIMEX SINCLAIR
PUBLIC DOMAIN SOFTWARE? Try
the Lodon BBS TS Files
(Directory 50):

Sunnyvale, 408-745-0880 (New
Number as of 880604, Thanks to
SysOps: Dave Jones and Dave
Hewes; and everyone else who
helped with the move),

300/1200, 8 M, 1, 24hrs, 7_lines

(3 General, 4 Reserved for
Contributors); TS File

Reviewer: Mark Mahl..

San Mateo, 415-571-6911,

300/1200, 8 M, 1, 24hrs,

7_lines; TS Message Base 10;

TS_S16.OP: Pat Morrissey??

Back Issues of TIMELINEZ/
Sinclink are available.
Contact Sinclink at the above
address for details and index..

What are the advantages of
subscribing to TIMELINEZ/
Sinclink?
The purpose of all user groups
is to share information..
The best way to do this is thru
a newsletter, since most
members cannot attend every
meeting..

If you have a problem (or a
solution), the best way to ask
for help (or give help) is thru
the newsletter..

The newsletter also usually
contains information about
other User Groups around the
nation and world that we gather
thru our newsletter exchanges..

How do I subscribe to TIMELINEZ/
Sinclink?

For User Groups (even small
ones- there is nothing wrong
with a one person User Group
that puts out it's newsletter
on a TS2040), we would prefer
to exchange newsletters. We
will try to send one for each
one we receive..

Actually, we would prefer to
exchange Newsletters on disk,
preferably DL or IBM 360K or
720K 5.25in or 3.5in format..
If you just can't exchange
newsletters, annual
subscription rates (U.S. Funds)

are:

USA, Canada, & Mexico ...\$15

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